



Emission Warranty

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D28 V12 US Tier 4

Off Road / Non Road Engines

MAN Engines

A Division of MAN Truck & Bus



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INTRODUCTION

Emission Warranty4

EMISSION CONTROL SYSTEM WARRANTY STATEMENT

Your Warranty Rights and Obligations5
Manufacturer’s Warranty Coverage5
Owner’s Warranty Responsibilities5
General Emissions Warranty Coverage6
What is Covered6
What is not Covered6
Additional Warranty Information7

INTRODUCTION

Emission Warranty

Your engine is covered by a basic mechanical warranty. Additionally, your engine is covered by an emissions related warranty required by the U.S. Environmental Protection Agency and the California Air Resources Board for certified non-road (or off-road) engines.

Warranty claims for MAN off-road engines sold in the U.S.A. are performed by MAN Engines & Components (MEC).

Since 1997 MEC is the principal importer and service representative of "MAN Engines & Components Worldwide" (a division of MAN Truck & Bus AG) with responsibility for North, Central and South America located at 591 SW 13th Terrace, Pompano Beach, Florida 33069, USA.

This emission warranty is applicable to engines sold in the United States including the State of California. In all other states and countries defective parts will be repaired or replaced in accordance with the basic mechanical warranty for new MAN engines which is applicable at the time between you and your dealer.

Besides this warranty with respect to emission-related components you have no further warranty rights, expressed or implied, against MAN Truck & Bus AG, including, but not limited to, limited warranties of merchantability or fitness for a particular purpose, and all other obligations or liabilities on the part of MAN Truck & Bus AG.

MAN Truck & Bus AG neither assumes nor authorizes any other person to assume for it any other liability in connection with such emission-related components.

EMISSION CONTROL SYSTEM WARRANTY STATEMENT

Your Warranty Rights and Obligations

The US ENVIRONMENTAL PROTECTION AGENCY, the CALIFORNIA AIR RESOURCES BOARD and MAN Truck & Bus AG are pleased to explain the emission control system warranty on your 2019, 2020 and 2021 model year off-road compression ignition engine (OFCIE).

New OFCIE's must be designed, built, and equipped to meet the Federal and California stringent anti-smog standards. MAN Truck & Bus AG must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your engine.

Your emission control system may include parts such as the fuel-injection system, the air induction system, the exhaust gas recirculation system, and exhaust after-treatment system. Also included may be electronic control modules, sensors, hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, MAN Truck & Bus AG will repair your OFCIE at no cost to you including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage

The 2019, 2020 and 2021 model year OFCIE's are warranted for 5 years or 3000 hours of engine operation (whichever occurs first). If any emission-related part on your engine is defective during the aforementioned periods, the part will be repaired or replaced by MAN Truck & Bus AG. The warranty period shall begin on the date the engine or equipment is delivered to an ultimate purchaser.

Owner's Warranty Responsibilities

- As the OFCIE owner, you are responsible for the performance of the required maintenance listed in your owner's manual. MAN Truck & Bus AG recommends that you retain all receipts covering maintenance on your OFCIE, but MAN Truck & Bus AG cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- As the OFCIE owner, you should however be aware that MAN Truck & Bus AG may deny you warranty coverage if your OFCIE or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.
- Your engine is designed to operate on Ultra Low Sulfur Diesel Fuel only. Use of any other fuel may result in your engine no longer operating in compliance with Federal or California emissions requirements.
- You are responsible for initiating the warranty process. The Air Resources Board ("ARB") suggests that you present your OFCIE to a MAN Truck & Bus AG dealer as soon as a problem exists. The warranty repairs should be completed by the dealer as expeditiously as possible.

If you have any questions regarding your warranty rights and responsibilities, you should contact MEC Warranty Telephone: +1-800-MAN-2842 / +1-800-626-2842
www.man-mec.com

Emission Control System Warranty Statement

General Emissions Warranty Coverage

The manufacturer of each OFCIE shall warranty to the ultimate purchaser and each subsequent purchaser that the engine is:

- (1) Designed, built, and equipped so as to conform with all applicable regulations adopted by the ARB and the EPA and
- (2) Free from defects in materials and workmanship which causes the failure of a warranted part to be identical in all material respects to the part as described in the MAN Truck & Bus AG application for certification for a period of five years or 3,000 hours of operation, whichever occurs first.

What is Covered

These components are covered by this warranty. Some scheduled maintenance is required (refer to the Owner's Emission Control Maintenance Service Chart).

- Emissions control label
- Intake manifold, exhaust manifold, turbocharger, VGT and actuator (if equipped), wastegate and actuator (if equipped), charge air cooler.
- Fuel injection system including fuel injectors, fuel injection pump, fuel metering unit, and engine mounted fuel lines.
- Exhaust gas recirculation system including EGR valve, EGR cooler if equipped
- Electronic engine control system including engine control module, wiring harness, barometric pressure sensor, mass airflow sensor if equipped, turbine speed sensor, charge air pressure sensor, charge air temperature sensor, fuel supply pressure sensor, fuel rail pressure sensor, crankshaft position sensor, camshaft position sensor, coolant temperature sensor, oil pressure sensor, lambda sensor if equipped, exhaust gas temperature sensor, engine NOx sensor, tailpipe NOx sensor, exhaust pressure sensor if equipped.
- Exhaust after-treatment system including, SCR catalyst, DEF supply unit, DEF tank level sensor, DEF tank temperature sensor, DEF tank quality sensor, DEF tank heater valve, DEF hose line heater, DEF dosing unit including pump, DOC (Diesel Oxidation Catalyst) if equipped, DPF (Diesel Particulate Filter) if equipped.
- Crankcase recirculation system including oil separator and engine oil filler cap.
- All associated gaskets, seals, hoses, clamps, and mounting hardware parts used in above systems.

What is not Covered

- Conditions resulting from abuse, neglect, improper maintenance, tampering or unapproved modifications;
- Incidental or consequential damages such as: loss of time, inconvenience, economic loss, loss of use of the engine or equipment;
- Any engine in equipment on which the hour meter reading has been changed so that the engine's usage cannot be readily determined
- Damage resulting from accident, acts of nature or other events beyond the control of MAN
- The repair and replacement of warranted parts which are scheduled for replacement prior to 3000 hours of operation (such as fuel and air filters etc.), once these parts have been replaced at the first replacement interval as a part of required maintenance service
- Repairs consisting solely of adjustments to idle speed, valve clearance or injection timing, or any combination thereof

Emission Control System Warranty Statement

Additional Warranty Information

The warranty on emission related parts is interpreted by the California Air Resources Board and EPA as follows:

Any warranted part which is not scheduled for replacement as required maintenance in the written instructions shall be warranted for the warranty period. If any such part fails during the period of warranty coverage, it shall be repaired or replaced by MAN Truck & Bus AG. Any such part repaired or replaced under warranty shall be warranted for the remaining warranty period.

Any warranted part which is scheduled only for regular inspection in the written instructions shall be warranted for the warranty period. A statement in the written instructions to the effect of "repair or replace as necessary" shall not reduce the period of warranty coverage. Any such part repaired or replaced under warranty shall be warranted for the remaining warranty period.

Any warranted part scheduled for replacement as required maintenance in the written instructions is warranted for the period of time prior to the first scheduled replacement point for that part. If replaced or repaired under warranty prior to the first scheduled replacement of that part, the new or repaired part shall be warranted for the time remaining to the first scheduled replacement.

Repair or replacement of any warranted part under these warranty provisions shall be performed at no charge to the owner at a MAN Truck & Bus AG service dealer.

The owner shall not be charged for diagnostic labor which leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a warranty station.

MAN Truck & Bus AG shall be liable for damages to other engine components proximately caused by failure under warranty of any warranted part.

The use of replacement parts which are not of the same brand or not from the same manufacturer as the original part sold with the engine does not reduce the warranty obligations of MAN Truck & Bus AG. Such replacement parts will be provided without charge to the owner if the preconditions for the emission related warranty as stated herein are fulfilled.

Add-on or modified parts that are not exempted by the Air Resources Board may not be used. Such use shall be grounds for disallowing a warranty claim. MAN Truck & Bus AG shall not be liable to warrant failures of warranted parts caused by the use of non-exempted add-on or modified parts.

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